



UNITED STATES DEPARTMENT OF COMMERCE
 Patent and Trademark Office
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 Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/080,774	05/18/98	BALAKIRSHMAN	B 233/248

LYON & LYON
 FIRST INTERSTATE WORLD CENTER
 633 W FIFTH STREET 47TH FLOOR
 LOS ANGELES CA 90071

MM22/1213

EXAMINER

ZWEIZIG, J

ART UNIT

PAPER NUMBER

2816

DATE MAILED:

12/13/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

PTO-502 (Rev. 2/95)

1-File Copy

FCS0000435

Office Action Summary	Application No. 08/080,774	App. serial Balakrishnan et al.
	Examiner Jeffrey Zweig	Group Art Unit 2810

☒ Responsive to communication(s) filed on 11/8/99

☐ This action is FINAL.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-37 is/are pending in the application.

Of the above, claim(s) 11-28 is/are withdrawn from consideration.

☒ Claim(s) 1-3, 7, 8 & 10 is/are allowed.

☒ Claim(s) 4-6, 9 & 29-37 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☒ The proposed drawing correction, filed on 11/8/99 is ☒ Approved ☐ Disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(a).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper Note(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

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Election/Restriction

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

Group I: claims 1-10 & 29-37 directed toward a PWM circuit with a frequency variation circuit; and

Group II: claims 11-28 directed toward a PWM circuit with a soft start circuit.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are generic. Applicants have elected, without traverse, Group I: claims 1-10 & 29-37. Claims 11-28 have been withdrawn from consideration.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 4-6, 9 & 29-37 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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In claim 4 lines 2 & 3, "a magnitude of said oscillation signal" should be changed to --said magnitude of said oscillation signal--.

In claim 9 line 8, "pulse width modulated switch" should be changed to just --switch-- (see claim 1 line 4).

In claim 9 line 9, the second occurrence of "first winding" should be changed to --second winding--.

Referring to the phrase "said first [second] winding capable of being coupled to a load", it is not understood if the winding is or is not coupled to the load.

In claim 29, the phrase "that provides a drive signal for a maximum time period of a time duration signal" is not understood. If the drive signal were applied for the maximum period of the duration, the drive signal would always be applied.

In claim 35 line 8, "regulation circuit" should be changed to just --switch-- (see claim 29 line 4).

In claim 35 line 9, the second occurrence of "first winding" should be --second winding--.

Referring to the phrase "said first [second] winding capable of being coupled to a load", it is not understood if the winding is or is not coupled to a load.

Claims 4, 9, 29 & 35 are indefinite. Claims 5, 6 & 30-37 are rejected as being dependent on an indefinite intervening claim.

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Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 29, 35 & 37 are rejected under 35 U.S.C. 102(b) as being anticipated by

Applicants' Prior Art Fig. 1.

Applicants' Prior Art Fig. 1 shows a first terminal 95, a second terminal Com, a switch/drive circuit 90 and a frequency variation circuit 140 as recited in claim 29.

Further shown is a rectifier 10, a capacitor 15, a first winding 35 and a second winding 45 as recited in claim 35.

Further shown is a feedback terminal (Error Amplifier in) as recited in claim 37.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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7. Claim 34 is rejected under 35 U.S.C. 103(a) as being unpatentable over Applicants' Prior Art Fig. 1.

Applicants' Prior Art Fig. 1 does not specify that the circuit is an integrated circuit as recited in claim 34. However, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate Prior Art Fig. 1 as an integrated circuit for the benefit of implementing a compact single package. Claim 34 is obvious.

Allowable Subject Matter

8. The prior Art of record does not appear to disclose or suggest a PWM switch comprising an oscillator for generating a maximum duty cycle signal and a signal with a frequency range dependent on a frequency variation circuit as recited in claim 1.

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey Zweizig whose telephone number is (703) 305-7243. The examiner can normally be reached on Monday through Friday from 7:00 to 3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan, can be reached on (703) 308-4876. The fax phone number for this Group is (703) 308-7722.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

JZ

December 13, 1999


Jeffrey Zweizig

Patent Examiner

Art Unit 2816

FCS0000441

Notice of References Cited		Application No. 09/080,774		Applicant Balsakrishnan et al.	
		Examiner Jeffrey Zureick		Group Art Unit 2810	
				Page 1 of 1	
U.S. PATENT DOCUMENTS					
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A			None	—	—
B					
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					
FOREIGN PATENT DOCUMENTS					
	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS
N					
O					
P					
Q					
R					
S					
T					
NON-PATENT DOCUMENTS					
	DOCUMENT (including Abstract, Title, Summary, and pertinent Pages)				DATE
U					
V					
W					
X					

10

FCS0000443



003692.P036

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Balakrishnan et al.

Serial No. 09/080,774

Filed: May 18, 1998

For: OFFLINE CONVERTER WITH
SOFTSTART AND FREQUENCY
JITTER

Examiner: J. Zweizig

Art Unit: 2816

Patent

#10/a
3/22/00
V. Varnall

Box Non-fee Amendment
Assistant Commissioner for Patents
Washington, DC 20231

AMENDMENT AND RESPONSE

Sir:

Responsive to the Office Action mailed December 13, 1999, the Applicants request the Examiner to enter the following amendments and to consider the following remarks.

IN THE DRAWINGS

The Applicants submit that reference numeral -405- was inadvertently labeled as "400" in Figure 5. In addition, the Applicants submit that reference numeral -400- was inadvertently omitted from Figure 6. Accordingly, the Applicants submit proposed drawing corrections in the form of red-mark originals of Figures 5 and 6. The Applicants request the Examiner to approve the drawings. The Applicants will submit formal corrections for Figures 5 and 6,

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including any additional changes in response to form PTO-948, when the application is allowed by Examiner.

IN THE SPECIFICATION

On page 5, line 9, please replace "25" with --15--.

On page 16, line 8, please replace "input switch 435" with --input of switch 435--.

On page 18, line 5, please replace "signal 400" with --signal 405--.

On page 18, line 23, please replace "DC voltage 740" with --DC voltage 725--.

On page 20, line 19, please replace "for the AC" with --of the AC--.

IN THE CLAIMS

Please cancel claim 37 without prejudice.

Please amend claims 4, 9, 29, 31 and 35 as follows:

A1
4. (Amended) The pulse width modulated switch of claim 1 further comprising a soft start circuit that provides a signal instructing said drive circuit to discontinue said drive signal when (a) said magnitude of said oscillation signal is greater than a magnitude of said frequency variation signal.

9. (Amended) The pulse width modulated switch of claim 1 further comprising;

A2
Cmt
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a rectifier comprising a rectifier input and a rectifier output, said rectifier input receiving an AC mains signal and said rectifier output providing a rectified signal;

a power supply capacitor that receives said rectified signal and provides a substantially DC signal;

A2
Cmcd
a first winding comprising a first terminal and a second terminal, said first winding receiving said substantially DC signal, said second terminal of said first winding coupled to said first terminal of said [pulse width modulated] switch; and

a second winding magnetically coupled to said first winding[, said first winding capable of being coupled to a load].

11. 29. (Amended) A regulation circuit comprising:

A3
Cmcd
a first terminal;

a second terminal;

a feedback terminal coupled to disable the regulation circuit;

a switch comprising a control input, said switch allowing a signal to be transmitted between said first terminal and said second terminal according to a drive signal provided at said control input; [and]

a frequency variation circuit that provides a frequency variation signal;

an oscillator that provides an oscillation signal having a frequency range, said frequency of said oscillation signal varying within said frequency range according to said frequency variation signal, said oscillator further providing a maximum duty cycle signal comprising a first state and a second state; and

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a drive circuit that provides said drive signal [for a maximum time period of a time duration cycle;] when said maximum duty cycle signal is in said first state and said regulation circuit is not disabled.

A3
Cmcd

[wherein said time duration of said cycle varies according to said frequency variation signal.]

A4

31. (Amended) The regulation circuit of claim ~~28~~ ¹¹ further comprising a soft start circuit that provides a signal instructing said drive circuit to discontinue said drive signal according to a magnitude of said frequency variation signal.

A5

35. (Amended) The regulation circuit of claim ~~29~~ ¹¹ further comprising;
 a rectifier comprising a rectifier input and a rectifier output, said rectifier input receiving an AC mains signal and said rectifier output providing a rectified signal;
 a power supply capacitor that receives said rectified signal and provides a substantially DC signal;
 a first winding comprising a first terminal and a second terminal, said first winding receiving said substantially DC signal, said second terminal of said first winding coupled to said first terminal of said [regulation circuit] ~~switch~~; and
 a second winding magnetically coupled to said first winding[, said first winding capable of being coupled to a load].

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A

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REMARKS

Claims pending in the instant application are numbered 1-10 and 29-37. The Applicants note with appreciation that claims 1-3, 7, 8 and 10 are allowed. Claims 4-6, 9 and 29-37 presently stand rejected. Claim 37 has been canceled without prejudice. Claims 4, 9, 29, 31 and 35 have been amended. The Applicants respectfully request reconsideration of the present application in view of the amendments and the following remarks.

Revocation of Previous Powers Filed By Applicants

The Applicants respectfully wish to remind the Examiner that a Revocation of Previous Powers was filed by the Applicants on May 14, 1999. For the Examiner's reference: (1) a photocopy of the Revocation of Previous Powers as filed by the Applicants and (2) a photocopy of a postcard received from the US Patent and Trademark Office evidencing receipt of the Revocation of Previous Powers is attached herewith. It is noted that at least the last two communications concerning the instant application have been incorrectly mailed by the US Patent and Trademark Office to the Applicants' former representatives instead of the Applicants' current representatives. Accordingly, the Applicants kindly wish to repeat their request that all future correspondence be mailed to Blakely Sokoloff Taylor and Zafman, LLP at the address listed in the Revocation of Previous Powers filed May 14, 1999.

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Specification and Drawing Amendments

Upon further review of the present specification and drawings, the Applicants noted several minor typographical errors. The specification and drawings have been amended to correct these deficiencies.

35 USC § 112 Rejections

In the December 13, 1999 Office Action, claims 4-6, 9 and 29-37 were rejected under 35 USC § 112, second paragraph. The claims have been amended as suggested by the Office Action and the claim language identified as not being understood in the Office Action has been amended. Accordingly, the instant section 112 rejections are now moot.

35 USC § 102 Rejections

In the December 13, 1999 Office Action, claims 29, 35 and 37 are rejected under 35 USC § 102(b) as being anticipated by Applicants' Prior Art Figure 1.

Claim 29 as presently amended now expressly recites a regulation circuit that includes an oscillator that provides a maximum duty cycle signal and an oscillation signal having frequency range that is varied according to a frequency variation signal. The Applicants' Prior Art Figure 1 fails to disclose, teach or suggest such limitations. Accordingly, the Applicants respectfully submit that the instant section 102 rejection has been overcome.

35 USC § 103 Rejection

In the December 13, 1999 Office Action, claim 34 is rejected under 35 USC § 103(a) as being unpatentable over Applicants' Prior Art Figure 1.

Claims 34 depends on claim 29 and therefore distinguishes for at least the same reason as independent claim 29 in addition to adding further limitations of its own. Accordingly, the Applicants respectfully submit that the instant section 103 rejection has been overcome.

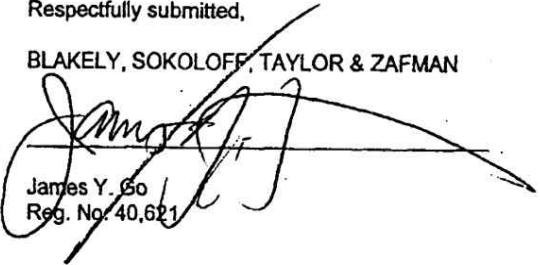
Charge Deposit Account

Please charge our Deposit Account No. 02-2666 for any additional fee due in this matter.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Date: 3-10-00


James Y. Go
Reg. No. 40,621

FIRST CLASS CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

on March 10, 2000
Date of Deposit
Melanie Besecker
Name of Person Mailing Correspondence
Melanie Besecker 3-10-00
Signature Date

003692.P036
Serial No. 09/080,774

- 7 -

Examiner: J. Zweizig
Art Unit: 2816

FCS0000450

233/248
PATENT

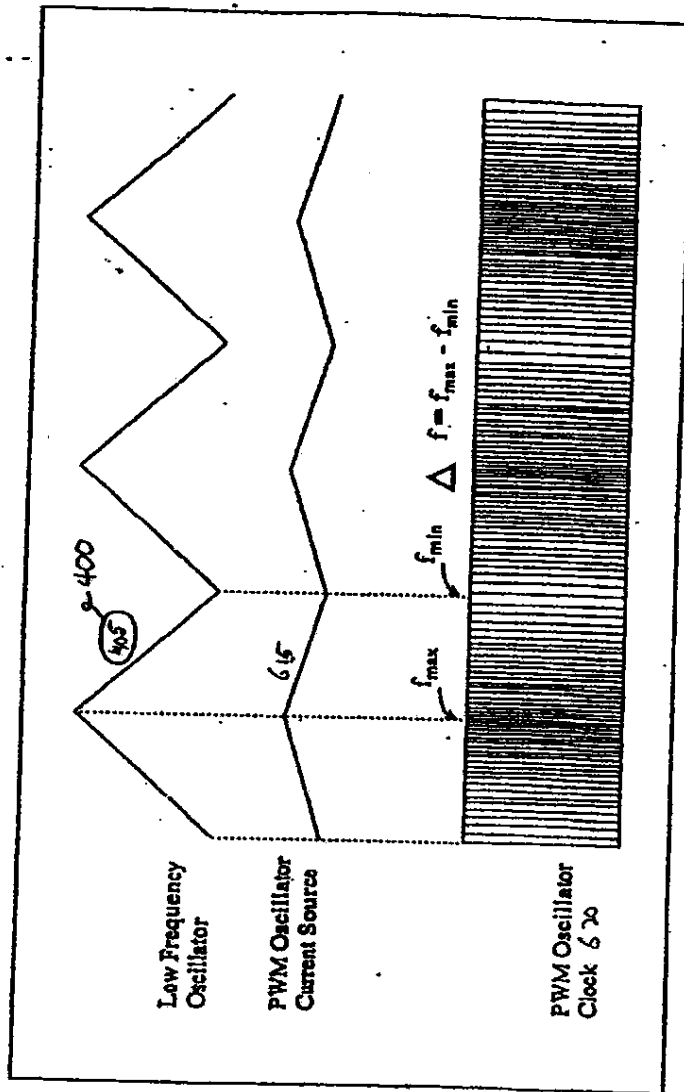
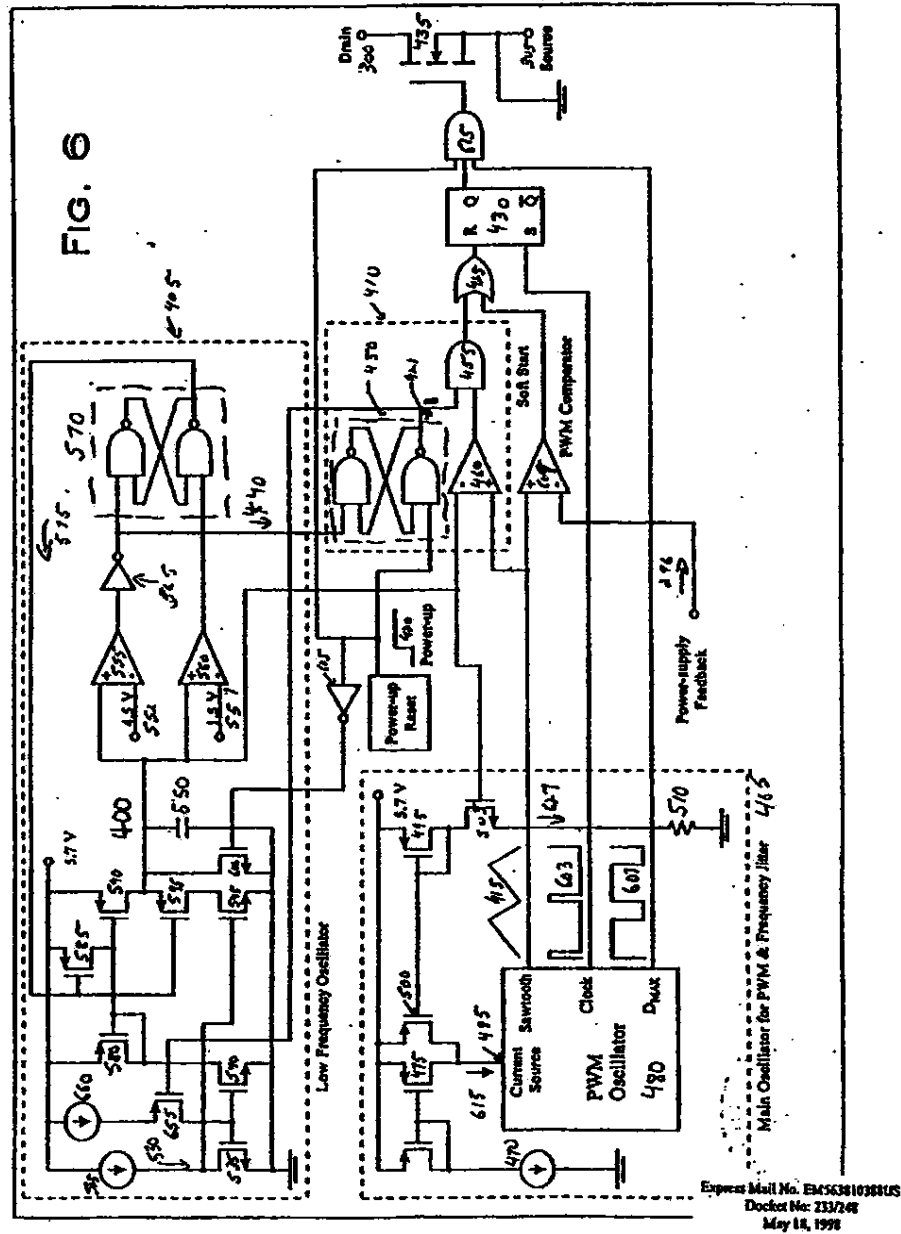


FIG. 5

approved
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4/4/00

Express Mail No. E9563440381US
Docket No: 233/248
May 18, 1998

233/248
PATENT





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Serial/Patent No.: 09/090,774 Filing/Issue Date: May 18, 1998
 Client: Power Integrations, Inc.
 Title: OFF-LINE CONVERTER WITH INTEGRATED SOFTSTART AND
FREQUENCY JITTER
 BSTZ File No.: 003697-P016 Any/Secy Initials: B.FH:ayh
 Date Mailed: May 17, 1998 Docket Due Date: _____
 The following has been received in the U.S. Patent & Trademark Office on the date stamped herein:

<input type="checkbox"/> Amendment/Response (____ pgs.)	<input type="checkbox"/> Express Mail No.: _____	<input type="checkbox"/> Check No. _____
<input type="checkbox"/> Appeal Brief (____ pgs.) (in response)	<input type="checkbox"/> _____ Month(s) Extension of Time	<input type="checkbox"/> Amt: _____
<input type="checkbox"/> Application - Utility (____ pgs., with cover and abstract)	<input type="checkbox"/> Minutes/Hours/Days/Weeks/FYD 140 (____ pgs.)	<input type="checkbox"/> Check No. _____
<input type="checkbox"/> Application - Rule 1.53(a) Continuation (____ pgs.)	<input type="checkbox"/> Invent Fee Transmitted	<input type="checkbox"/> Amt: _____
<input type="checkbox"/> Application - Rule 1.53(a) Divisional (____ pgs.)	<input type="checkbox"/> Notice of Appeal	
<input type="checkbox"/> Application - Rule 1.53(a) CP (____ pgs.)	<input type="checkbox"/> Petition for Extension of Time	
<input type="checkbox"/> Application - Rule 1.53(a) CFA Transmitted (____ pgs.)	<input type="checkbox"/> Petition for _____	
<input type="checkbox"/> Application - Design (____ pgs.)	<input type="checkbox"/> Postcard	
<input type="checkbox"/> Application - PCT (____ pgs.)	<input checked="" type="checkbox"/> Power of Attorney (<u>3</u> pgs.) (and Revocation)	
<input type="checkbox"/> Application - Provisional (____ pgs.)	<input type="checkbox"/> Preliminary Amendment (____ pgs.)	
<input type="checkbox"/> Assignment and Cover Sheet	<input type="checkbox"/> Reply Brief (____ pgs.)	
<input checked="" type="checkbox"/> Certificate of Mailing	<input type="checkbox"/> Response to Notice of Missing Part	
<input type="checkbox"/> Declaration & Oath (____ pgs.)	<input type="checkbox"/> Small Entity Discount for Inaug. Invention/Small Business	
<input type="checkbox"/> Electronic Data & Copy of Invention (____ pgs.)	<input type="checkbox"/> Transmitted Letter, in duplicate	
<input type="checkbox"/> Drawing: _____ # of sheets include _____	<input type="checkbox"/> Fee Transmitted, in duplicate	
<input type="checkbox"/> Other: _____		

FCS0000453

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Attorney's Docket No.: 003692.P036

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

BALAKRISHNAN, ET AL.

Application Number: 09/080,774

Filed: May 18, 1998

For: OFF-LINE CONVERTER WITH
INTEGRATED SOFTSTART AND
FREQUENCY JITTER

Examiner: Not Yet Assigned

Group Art Unit: 2816

Assistant Commissioner for Patents
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE
AND REVOCATION OF PREVIOUS POWERS

Power Integrations, Inc. ("assignee"), a California corporation having a place of business at 477 N. Mathilda Avenue, Sunnyvale, California, 94086, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent application and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment document that evidences the placement of title in the assignee and upon information and belief that assignment documents were recorded in the U.S. Patent and Trademark Office on May 18, 1998, at reel 9195, frame 0745.

Pursuant to 37 C.F.R. §§ 1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints Farzad E. Amini, Reg. No. P42,261; Aloysius T. C. AuYeung, Reg. No. 35,432; Amy M. Armstrong, Reg. No. 42,265; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Bradley J. Berezniak, Reg. No. 33,474; Michael A. Bernadacou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; Gregory D. Caldwell, Reg. No. 39,926; Kent M. Chen, Reg. No. 39,630; Yong S. Choi, Reg. No. P43,324; Thomas M. Coester, Reg. No. 39,637; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Robert Andrew Diehl, Reg. No. 40,992; Tarek N. Fahmi, Reg. No. 41,402; James Y. Go, Reg. No. 40,621; Dinu Gruia, Reg. No. P42,996; David R.

003692.P036

-1-

(rev. 5/99)

FCS0000454

Halvorson, Reg. No. 33,395; Thomas A. Hassing, Reg. No. 36,159; Phuong-Quan Hoang, Reg. No. 41,839; Willmore F. Holbrow III, Reg. No. P41,845; George W. Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Dag H. Johansen, Reg. No. 36,172; William W. Kidd, Reg. No. 31,772; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, under 37 C.F.R. § 10.9(b); Paul A. Mendonsa, Reg. No. 42,879; Darren J. Milliken, Reg. No. 42,004; Thinh V. Nguyen, Reg. No. 42,034; Kimberley G. Nobles, Reg. No. 38,255; Babak Redjaian, Reg. No. 42,096; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Anand Sethuraman, Reg. No. P43,351; Charles E. Shemwell, Reg. No. 40,171; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Vincent P. Tassinari, Reg. No. 42,179; Edwin H. Taylor, Reg. No. 25,129; George G. C. Tseng, Reg. No. 41,355; Lester J. Vincent, Reg. No. 31,460; John Patrick Ward, Reg. No. 40,216; Stephen Warhola, Reg. No. 43,237; Charles T. J. Weigell, Reg. No. 43,398; Ben J. Yorks, Reg. No. 33,609; and Norman Zafman, Reg. No. 26,250; my attorneys, and James A. Henry, Reg. No. 41,064; Daniel E. Ovanezian, Reg. No. 41,236; Glenn E. Von Tersch, Reg. No. 41,364; and Chad R. Walsh, Reg. No. 43,235; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and James R. Thein, Reg. No. 31,710, my patent attorney; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Pursuant to 37 C.F.R. § 3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to Bradley J. Bereznek, Esq., Reg. No. 33,474, Blakely, Sokoloff, Taylor, & Zafman LLP, 12400 Wilshire Boulevard, Seventh Floor, Los Angeles, California 90025, and direct all telephone calls to the same at (408) 720-8598.

Assignee of Interest: POWER INTEGRATIONS, INC.
(Type or Print)

Dated: 5-14-99

By: 

Name: Clifford J. Walker

(Type or Print)

Title: Vice President of Corporate Development

(Type or Print)

Address of Assignee of Interest:
477 N. Mathilda Avenue
Sunnyvale, CA 94086
USA

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 5/17/99 By *Bradley J. Bereznek*
Name: Bradley J. Bereznek
(Type)
Reg. No.: 33,474

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Seventh Floor
Los Angeles, California 90025-1026
(408) 720-8598

FIRST CLASS CERTIFICATE OF MAILING
(37 C.F.R. § 1.8(a))

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May 17, 1999

Vivian Y. Buiton

Name of Person Mailing Correspondence

Vivian Y. Buiton
Signature

5/17/99
Date

BLAKELY SOKOLOFF TAYLOR & ZAFMAN

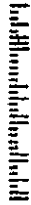
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Germantown, MD 20878-4000

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/080,774	05/18/98	BALAKRISHNAN	B 233/248

BRADLEY J. BEREZNAK, ESQ.
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 LOS ANGELES CA 90025

MMC2/0410

EXAMINER

ZNEIZIG, J

ART UNIT

PAPER NUMBER

2816

#11

DATE MAILED:

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Commissioner of Patents and Trademarks

PTO-600 (Rev. 2/95)

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FCS0000459

Notice of Allowability	Application No. 09/080,774	Applicant(s) Babikroshian et al.
	Examiner Jeffrey Zwolsig	Group Art Unit 2816

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to the amendment filed 3/20/00

☒ The allowed claim(s) is/are 1-10 & 29-36

☐ The drawings filed on _____ are acceptable.

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.130(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☒ because the originally filed drawings were declared by applicant to be informal.

☐ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____

☒ including changes required by the proposed drawing correction filed on 3/20/00, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948


☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☒ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☐ Examiner's Statement of Reasons for Allowance


 Primary Examiner
 2816

B

Application/Control Number: 09/080,774

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11/B
4/6/00
Page 2

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Claims 11-28 have been canceled.

Claims 11-28 have been canceled so that the remaining claims and the present application can be allowed. Authorization for this examiner's amendment was given in a telephone interview with James Go on 4/6/00.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Jeffrey Zweizig whose telephone number is (703) 305-7243. The Examiner can normally be reached on Monday through Friday from 7:00 am to 2:00 pm eastern time.

FCS0000461

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan, can be reached on (703) 308-4876. The fax phone number for this Group is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

JZ

April 10, 2000


Jeffrey Zwizig

Primary Examiner

Art Unit 2816

FCS0000462



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

MHC2/0410

BRADLEY J. BEREZNAK, ESQ.
BLAKELEY, SOKOLOFF, TAYLOR, ZAFMAN LLP
12400 WILSHIRE BOULEVARD
SEVENTH FLOOR
LOS ANGELES, CA 90025

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/080,774	05/18/99	010	ZWE1210, J	2016 04/10/00
First Named Applicant	BALAKRISHNAN,	35 USC 164(b) term ext. =	0 Days.	
TITLE OF INVENTION OFFLINE CONVERTER WITH INTEGRATED SOFTSTART AND FREQUENCY JITTER				

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPL. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2	233/248	327-172.000	K02 UTILITY	NO	\$1210.00	07/10/00

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above; or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.

Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

PTOL-45 (REV. 10-95) Approved for use through 05/30/99. (0651-0033)

U.S. GPO: 1999-454-4572000

FCS0000463



003692.P036

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of:

BALAKRISHNAN et al.

Serial No. 09/080,774

Filed: May 18, 1998

For: OFF-LINE CONVERTER WITH
INTEGRATED SOFTSTART AND
FREQUENCY JITTERAssistant Commissioner for Patents
Washington, D.C. 20231

Examiner: Zweizig, Jeffrey

Art Unit: 2816

REQUEST TO CORRECT AN ERROR IN THE FILING RECEIPT

Dear Sir:

Applicant's respectfully note that the name of the inventor on the Filing Receipt for the above-identified application is incorrect. That Filing Receipt erroneously lists the inventor as BALU BALAKIRSHNAN. The correct name of the inventor is in fact BALU BALAKRISHNAN (emphasis added). Enclosed herewith is a copy of filing receipt with the corrections marked in red ink. Also enclosed is a check in the amount of \$25.00 for a corrected filing receipt under 37 U.S.C. § 1.19(h).

Therefore, correction with respect to the inventors listed in the Filing Receipt of the present application is respectfully requested. Please change the list of inventors of the present application to BALU BALAKRISHNAN.

01/12/2000 KZB/E 00000025 09000774

01 FC:576

25.00 00

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 1-5, 2000

James Y. Go
Reg. No. 40,621

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

on January 5, 2000

Date of Deposit

Melanie Resacker

Name of Person Mailing Correspondence

Signature

1-5-2000

Date

FCS0000465

FD-103X
(Rev. 8-88)

FILING RECEIPT


 UNITED STATES DEPARTMENT OF COMMERCE #12
 Patent and Trademark Office
 ASSISTANT SECRETARY AND COMMISSIONER
 OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	COMPANY/INDV	PL. FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	INT CL
09/080,774	05/18/98	2816	\$1,246.00	233/248	9	37	4

 LYON & LYON
 FIRST INTERSTATE WORLD CENTER
 633 W FIFTH STREET 47TH FLOOR
 LOS ANGELES CA 90071

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write in the Application Proceeding Division's Customer Connection Branch within 30 days of receipt. Please provide a copy of the Filing Receipt with the changes noted therein.

Applicant(s)

 BY
 BALU BALAKRISHNAN, SARATOGA, CA; ALEX DJENGUERIAN,
 SARATOGA, CA; LEIF LUND, SAN JOSE, CA.

FOREIGN FILING LICENSE GRANTED 06/03/98

TITLE

OFFLINE CONVERTER WITH INTEGRATED SOFTSTART AND FREQUENCY JITTER

PRELIMINARY CLASS: 327

 JUN 18 2000
 JUN 18 2000
 JUN 18 2000

 RECEIVED
 JUN 8 8 1998
 U.S. PROSECUTION

(see reverse)

FCS0000466

B
Docket No.: 003692.P036

#13 *ADT*
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for:

Balakrishnan et al.

Application No.: 09/080,774

Filed: May 18, 1998

For: OFF-LINE CONVERTER WITH INTEGRATED
SOFTSTART AND FREQUENCY JITTER



Examiner: J. Zweizig

Art Group: 2816

Batch No: K83

TRANSMITTAL OF FORMAL DRAWINGS

Attn: Official Draftsman
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Enclosed herewith for filing in the above-identified U.S. patent application are the formal drawings, Figures 1, 2, 3, 4, 5, 6, 7, 8 and 9 (9) sheets.

Respectfully submitted,

BLAKELY SOKOLOFF TAYLOR & ZAFMAN, LLP

Date: 5-18-00

James Y. Go
James Y. Go
Reg. No. 40,621

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, CA 90025
(425) 827-8600

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on May 19, 2000

Melanie Besseler
Typed or printed name of person mailing correspondence

Melanie Besseler 5-18-00
Signature Date

FCS0000468

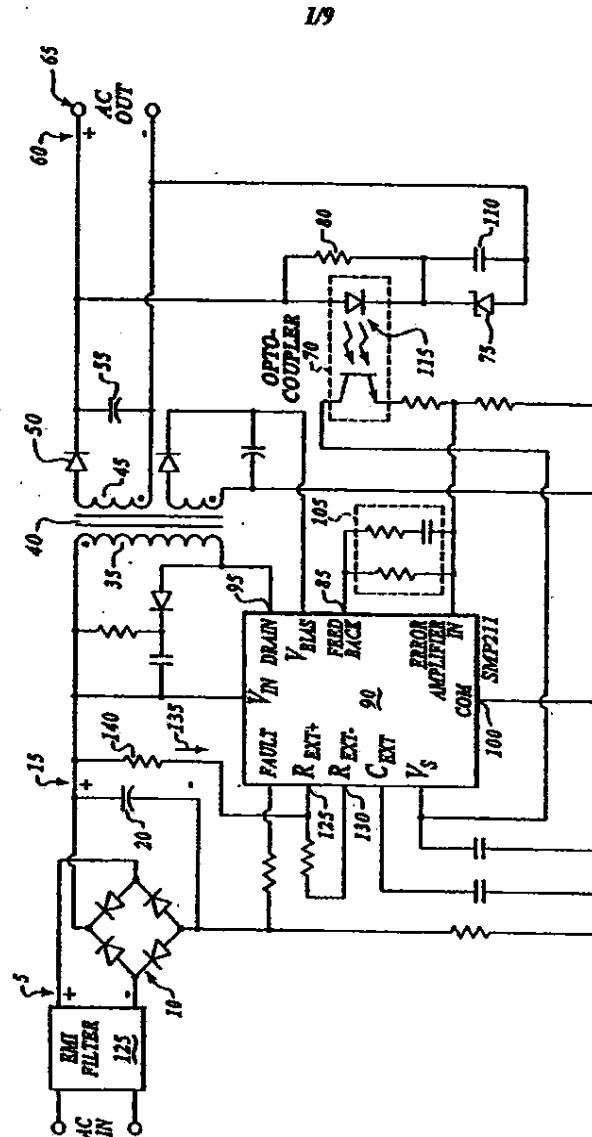


Fig. 1 (PRIOR ART)

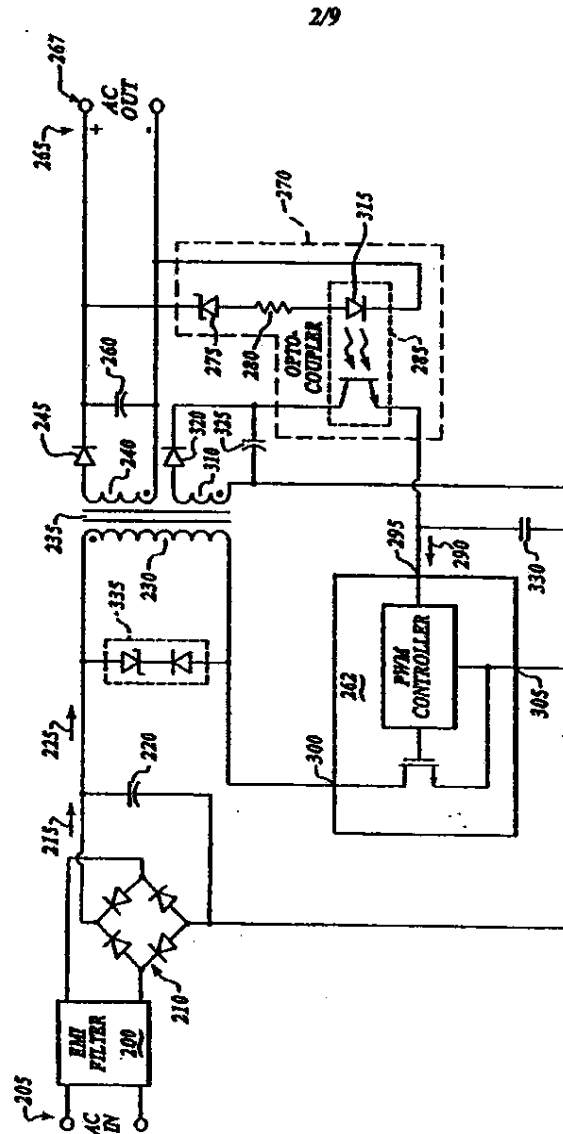


Fig. 2

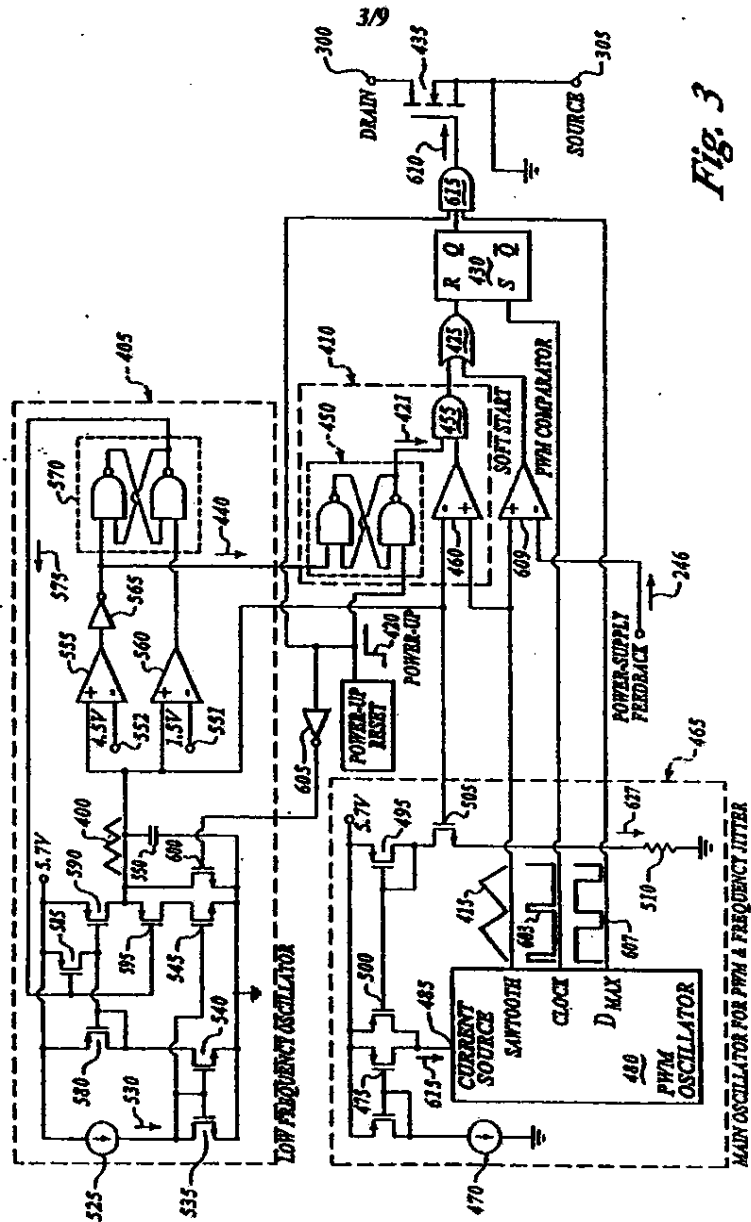


Fig. 3

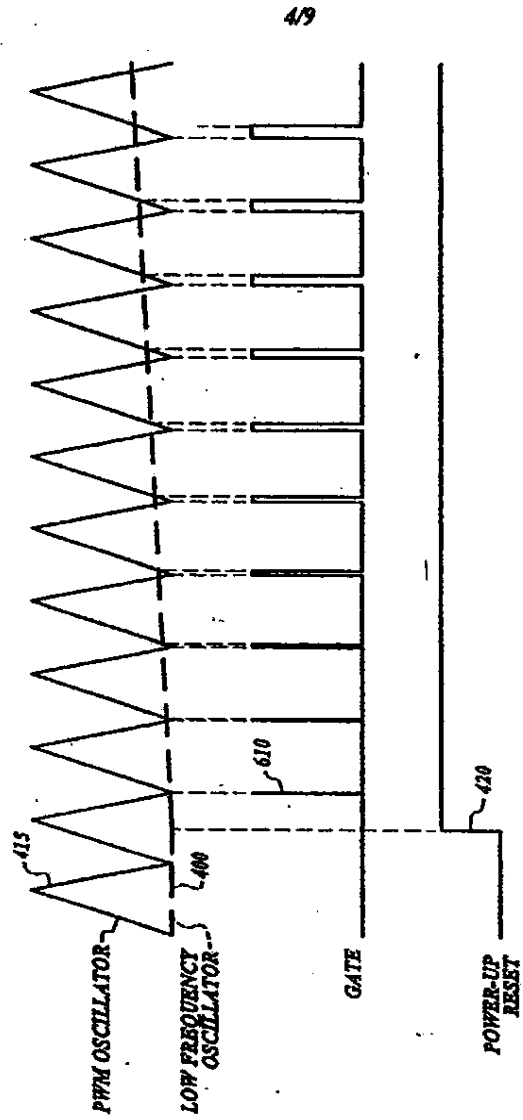


Fig. 4

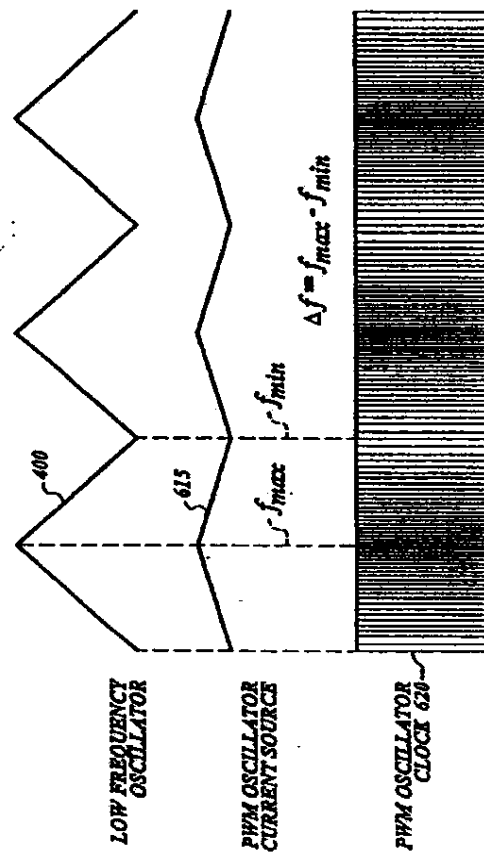
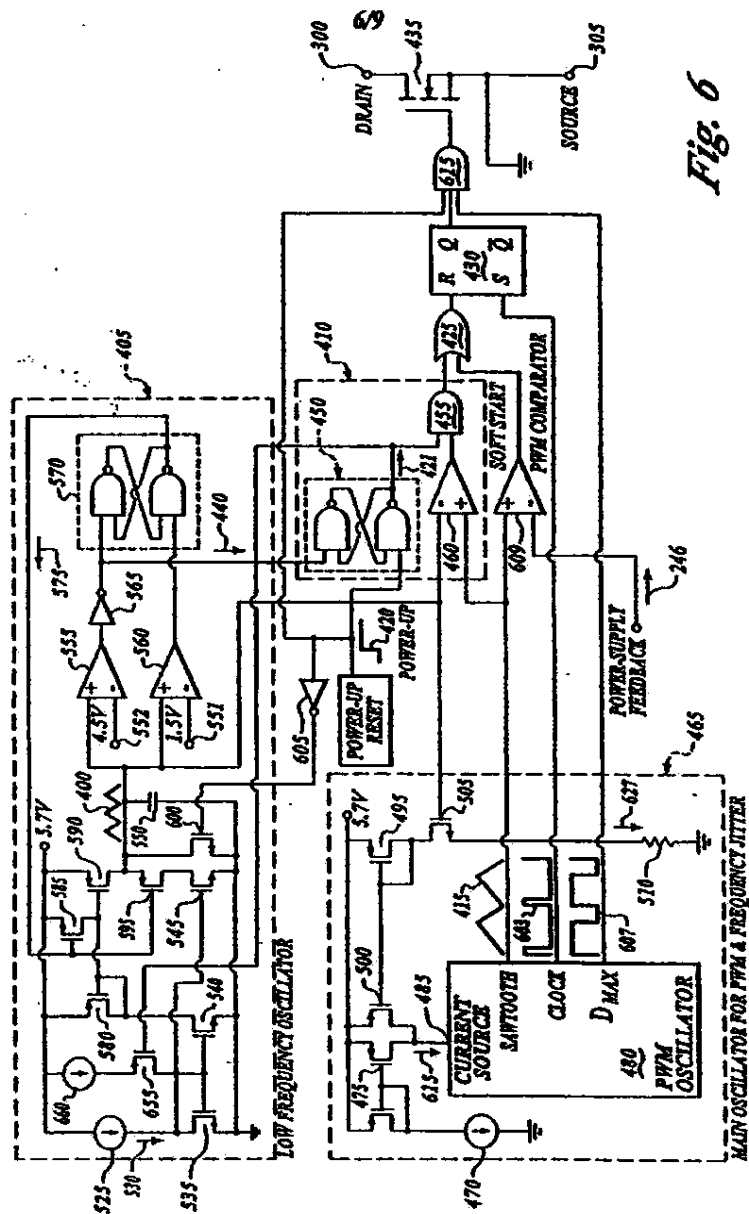


Fig. 5



7/9

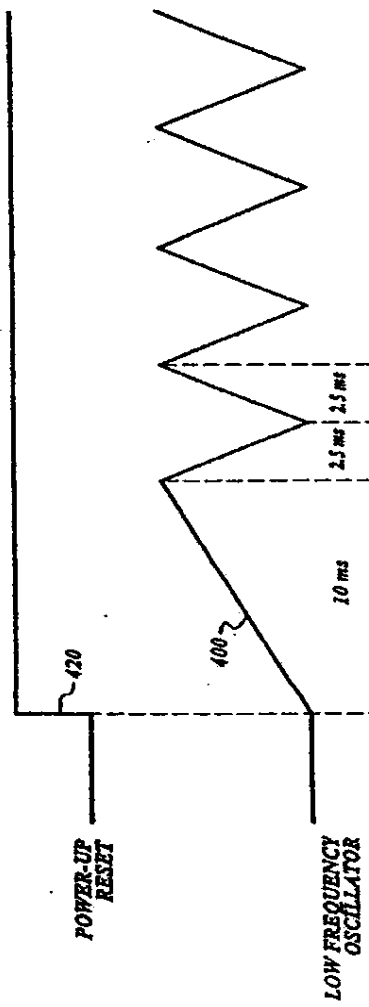


Fig. 7

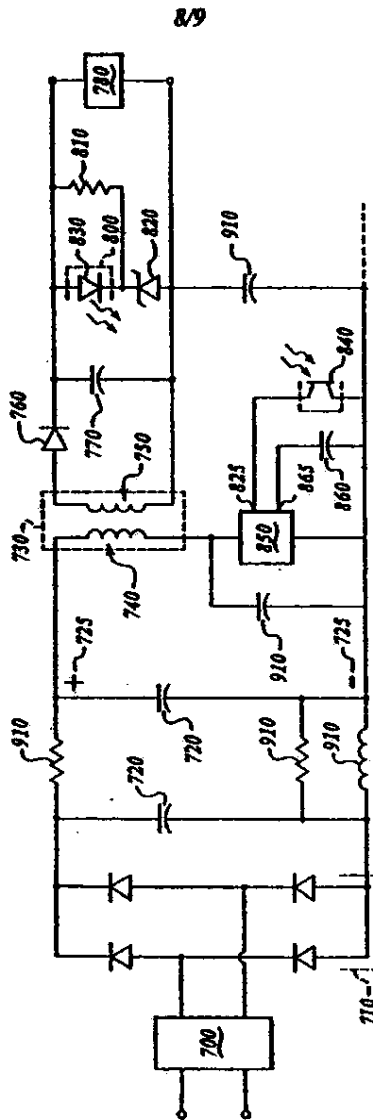


Fig. 8

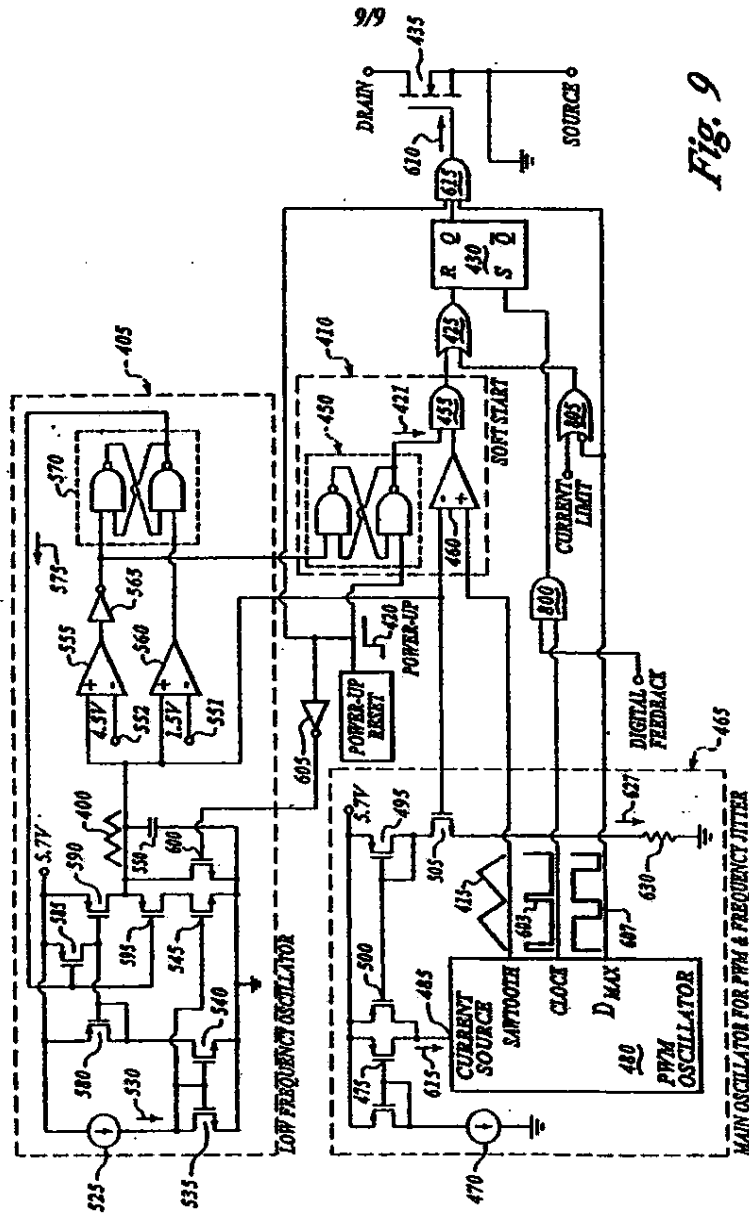


Fig. 9